Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

SBR No: 84/20-21 DATED 29-1-2021

EE/ELE/Y/BR No. 84/20-21

N 1st & Final bill

Date.....2010

Division: **Electrical (yelahanka)** Sub-Division: **Electricals** Dt. 29-1-2021

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Job Code :-006-20-000169**

Schedule Docket No. Head of Account : P-CODE:P 3254 D.R.No. :

Name of Work : *Providing, laying and correcting Aerial Bunched Cables/damaged poles/panel boards to Telecom layout double road,via railway gate to MCHS layout double road in Ward No-6*

Name of Contractor and Full Address: **Sri Pradeep Kumar S.N. Pro of M/S. Ganga Enterprises**

Reference to Agreement No:EE/Ele/YZ/WO/000015/20-21 Date:16/06/2020

Certified that the measurements were taken by me on 14/12/20 and recorded of Pages 2569H1 to 9H4 of measurement Book No. 2570/19-20 and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 14/12/20 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer (Ele)
BBMP, Bangalore

Sub-Division Officer

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	Bill=	322079=00
2)	Deduct amount to be held in reserve being .....percent Rs.....	IT 1%	3221 =00
3)	" Balance	NWL 1%	3221 =00
4)	Deduct Payment:	CBF 0.1%	322 =00
a)	Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of	Cess 1%	2649 =00
		Cess 1%	2649 =00
b)	Payments Now made cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	deductions=	12062=00
5)	Balance being unpaid value of work done held in reserve.	Cheque=	310017=00
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments. unadjustments items.		
7)	Net amount due to or from Contractor		
8)	Advance to Contractor for materials brought to site (as detailed) within.		
9)	Value of Government materials supplied.		
	Total amount adjusted -		

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands) (For use in the Office)

Witness

1.

2.

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Stamp

ಲೆಕ್ಕ ಶೀರ್ಷಿಕೆ P3254 maintenance

ರೂ: 322079=00 ಮಾಡಿ ಸ್ವೀಕರಿಸಿ

ರೂ: 310017=00 ನಿವ್ವಳ ಪಾವತಿಗಾಗಿ

ರೂ: 12062=00 ಕಡಿತಕ್ಕಾಗಿ ಮಾಡಿದೆ

Executive Engineer

ಲೆಕ್ಕ ಅಧಿಕ್ಷಕರು

ಕಾ.ಮು.ಅ.(ವಿ) ಯಲಹಂಕ ಮುಖ್ಯ

Sl. No	Description	Un
	Name Of Work:-Providing, laying and correcting Aerial Bunched Cables/damaged poles/panel boards to Telecom layout double road,via railway gate to MCHS layout double road in Ward No-6	
1	Digging of Pits 1.8 mtr depth for errection of 9 to 10mtr Long Steel/RCC/PSC supports as per approved Drawing.Ordinary Soil	N
2	Erection of steel supports 9.0 to 10.00 mtr long such as 22.68 kg (50 lbs) Rail, 27.22 kg (60 Lbs) Rail IBeam of sizes 200x100mm, 175x90 mm, 125x100mm. Fabricates poles tubular poles in pits of 1.8 mtrDepth, Aligning, Refilling with soil and ramming asapproved drawing	N
3	Pole concreting with CC 1:2:4 (without coping) f) 8mtrs support (400x400x1500mm)	N
4	Any Dismantling work 90% of the corresponding erection charges(304x90%=273.6)	N
5	Transportation using 7.5/10 Tons Lorry Rs. 23 per Kms subjected to a minimum of Rs. 1200/-per day (shifting of Panel boards & Poles)	N
6	Supplying of 1.1KV grade Aerial Bunched Cable Stranded & Compacted Aluminum Phase Conductor, and Stranded Messenger Conductor with all aluminum Alloy, Phase Conductor is insulated with XLPE Compound, insulated Messenger with specified IS-14255:1995 & confirming to GTP of GROUP-A.2 X 25 + 1 X 25 SQ.MM KPWD ELE SR 2014-15	P M
7	Stringing of 1.1kv LT Arial Bunched Cable, BESCOM SR	P
8	Piercing connector suitable for 16 sqmm - 95 sqmm AB cable -steel light connection. Bescom SR of 2010-11, Page no 16 of 34, Serial no 51.12.	E
9	Suspension clamp assembly 25 to 95 sqmm bare messenger. Bescom SR of 2010-11, Page no 16 of 34, Sl no 51.17.	E
10	Dead end clamp / Anchor clamp assembly 25 to 95 sqmm bare messenger, Bescom SR of 2010-11, Page no 16 o 34, Sl no 51.16.	E
11	Universal Hook and Bolts and Nuts, Bescom SR of 2010-11, Page no 16 of 34, Sl no. 51.15.	E
12	Erection of Suspension Clamp - 25 to 95 sqmm bare messenger. Bescom SR of 2010-11, Page No 21 of 27, Sl No 26.6.	E
13	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole .8Mtr and above street light pole.	N
14	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps 25kA.26/5.14.1	E
15	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.4 core 16 sqmm40/6.4.4	N
16	Labour charges for laying of 1.1 KV class UG cable when supplied agency in existing trench GI pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct. 6 sqmm to 16 sqmm	N
17	Digging of trench of 0.6 m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc.,complete.41/6.6.1	I
18	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete.16SWG KPWD ELE SR Page-30/5.42.2	S
19	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and Copper conductor single core cable in open or concealed system of wiring.I Group A Materials.6 sqmm 6/2.3.3	
20	Thiristor based single/ Three phase smart street light control and monitoring system Remotely control and and monitorable smart street light system by using web or mobile application .smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1.Remote lighting management.2.Precise lighting turnoff.3.Load ballancing.4.Load power regulation.5.Status tracking. It works on the basis of some of these features 1) Main Control Unit (Mother board) : Handles controlling , data handling and other communication process. 2) Communication unit: GSM/GPRS quad bandwith RS232 interface wireless communication unit 3) Gate Driver Unit: Firing angle controllable board for driving the thyristor 4) Switching Thyristor: SCR 110 AMPS dual thyristor modules for switching 5)Embedded Firmware: Firmware to control , handle , process the data and communicate it wirelessly.6) Metal Enclosure : IP66 weather prof metal enclosure. 7) transformers: Customized step down transformers for various purposes.8) Wiring and other device assembly components.	
	Total Rs	
	Add GST Item No 06 to 19 Rs 211883 @ 12%	
	Total Rs	

Certificate: 1. Certefied that the Above Work has been carreid out satisfactorily

Assistant Executive Engineer (Ele)
BBMP, Bangalore

	Previous Measurement		Present Measurement			Total Upto Date		Remarks
	Qty	Cost	Qty	Rate	Amount	Qty	Cost	
os			5	378.00	1890.00	5	1890.00	
os			5	304.00	1520.00	5	1520.00	
os			5	982.00	4910.00	5	4910.00	
os			5	250.00	1250.00	5	1250.00	
os			4	1200.00	4800.00	4	4800.00	
er Mtr			1346	113.00	152098.00	1346	152098.00	
Per			1346	10.00	13460.00	1346	13460.00	
ach			5	47.00	235.00	5	235.00	
ach			5	180.00	900.00	5	900.00	
ach			4	120.00	480.00	4	480.00	
ach			2	280.00	560.00	2	560.00	
Each			5	35.00	175.00	5	175.00	
Nos			5	500.00	2500.00	5	2500.00	
Each			2	3530.00	7060.00	2	7060.00	
Mtrs			77	110.00	8470.00	77	8470.00	
Mtrs			77	15.00	1155.00	77	1155.00	
Mtrs			65	45.00	2925.00	65	2925.00	
sq.cm s			70000	0.25	17500.00	70000	17500.00	
Mtrs			97	45.00	4365.00	97	4365.00	
No			2	35200.00	70400.00	2	70400.00	
					296653.00		**296653.00**	
					25425.96		25425.96	
					322078.96		**322078.96**	